| FORM PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. | | SERIAL NO. 10/039,977 | | | |
|--|--|--|--|------------------|---------------------------|--------------------------|---------------|------------------|-------------------|
| TP E1900 PF PRIOR ART CITED BY APPLICANT | | | | APPLICANT | | | | | |
| Silve several shorts if necessary) | | | | | | | | | |
| SP 11700 January 8, 2003 1644 | | | | | | | | | |
| | - et / | | U.S. (| PATENT | DOCUMENTS | ····· | | | |
| INITIAL INI | | DOCUMENT NUMBER | DATE | | NAME | CLASS | SUBCLASS | FILIN IF APPR | G DATE OPRIATE |
| Pult | AA | 5,741,489 | 04/21/1998 | Pime | ntal | 4-24 | 157.1 | | |
| PUR | AB | 6,217,865 | 04/17/2001 | Hunc | har | 424 | 139.1 | | |
| | AC | | | | | | | | |
| | AD | | | | | | | | |
| | AE | | | ļ | | ļ | | | |
| | AF | | | | | ļ | ļ | | |
| | AG | | | | | | | | |
| | AH | | | | | ļ | | | |
| | Al | | | | | | | | |
| _ | AJ | | | | · | ļ | - | <u> </u> | |
| | AK | | | <u> </u> | | <u> </u> | | | |
| | | | FOREIG | N PATE | IT DOCUMENTS | | | | |
| | | DOCUMENT NUMBER | DATE | cou | NTRY | CLASS | SUBCLASS | YES | NO |
| | AL | | | | | ļ | | | |
| | AM | | | | | | | | |
| | AN | | | | | <u> </u> | | | |
| | AO | | | | | ļ | <u></u> | | |
| | AP | | | | | <u>L</u> | <u> </u> | | |
| | | OTHER | PRIOR ART (Includin | Author, | Title, Date, Pertinent Pa | iges, Eic.) | | | |
| 21/ | AR | Li.S. Pater | nt Applicatio | on Pub | dication No. 2 | 002/00 | 12666 (| 11/31/ | 2003 |
| 14" | _ | | Kuby et al, Immunology, second edition, pp. 85-96, 1994. | | | | | | |
| | AS | <u> </u> | | | hemistry 11(5) | | | | |
| | | | | | i Biotechnol B | | | 986 - R | , Max |
| \downarrow | AT | | Yokoyama et al, Vaccine 16(4): 338-93, Feb. 1998. | | | | | | |
| V | Stryer et al, in Biochemistry, 3rd ed, W.H. Freeman Co., pp. | | | | | , pp | 31-55 1998 | | |
| | | | | | | | , , , | | |
| EXAMINE | ۳ , | De N | <u> </u> | - | | 7/ | 1/04 | | |

| OIPE | |
|-------------------------|----|
| SEP 3 0 2002 | 33 |
| FORM PTO (REV. 7-80) | AS |

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

LIST OF PRIOR ART CITED BY APPLICANT

| ATTY. DOCKET NO. | _ ' |
|------------------|----------|
| C 150: 12.3 | F |
| U IUU I AV J | <u>_</u> |

SERIAL NO:

APPLICANT PETER NASH et al

(Use several sheets if nec ssary) FILING DATE 1644 JANUARY 8, 2002 U.S. PATENT DOCUMENTS EXAMINER FILING DATE CLASS DOCUMENT NUMBER DATE NAME SUBCLASS INITIAL RAUN 2.26.1974 BOTES RAUN BETZ et al AD ΑE POLISON AF Ivy et al AG 6-12-1990 AH 5.080,895 1-14-1992 TOKORO 5,196,193 3.23.1993 CARROLL 1/-22-1994 LEE 8-22-1995 CARPOLL COLEMAN 12-17-1996 5,585,098 Cook et al 3.10-1998 *5,725, 87*3 STERLING etal 5-19-1998 5,753,228 AN STOLLE etal 5.753,268 **5-** 19 • 1998 Cooketal 7.6.1999 ĂΡ Doy LE etal 10.12.1999 WoobEy etal 7. 4-2000 6,083,500 ADALISTEINSSON utal 7-11-2000 RECEIVED 6,086,878 OCT 0 2 2002 TECH CENTER 1600/2900 AT DATE CONSIDERED EXAMINER

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| OPEVO | |
|-------------|---------|
| 25 30 STATE | ST. ICE |
| TRACE IF | Unde |

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Petent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
rol number. rol number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet of

| Complete if Known | | | | |
|------------------------|-----------------|--|--|--|
| Application Number | 10/039,977 | | | |
| Filing Date | January 8, 2002 | | | |
| First Named Inventor | Peter Nash | | | |
| Group Art Unit | 1644 | | | |
| Examiner Name | | | | |
| Attorney Docket Number | C150.12.3E | | | |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | | | |
|---|--------------------------|---|----------------|--|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | | |
| Pulk | | HERZBERG et al, Degree of Immunity Induced by Killed Vaccines to Experimental Salmonellosis in Mice, Infection and Immunity, Jan., 1972, pp. 83-90. | | | |
| | | CHEN et al, More Monensin-Sensitive, Ammonia-Producing Bacteria from the Rumen, Applied and Environmental Microbiology, May 1989, pp. 1052-1057. | | | |
| | | RUSSELL, J.B., Rumen Bacteria Rob Cattle of Nutrients, Agricultural Research, May 1993, pp. A43-44. | | | |
| | | KRAUSE et al, An rRNA Approach for Assessing the Role of Obligate Amino Acid-Fermenting Bacteria in Ruminal Amino Acid Deamination, Applied and Environmental Microbiology, March 1996, pp. 815- 821. | | | |
| | | PATE, F., Ionophores Do Not Appear to Work in Molasses Supplements, The Florida Cattleman and Livestock Journal, November 1996. | ECH CEN | | |
| | | LANA et al, Influence of Monensin on Holstein Steers Fed High-Concentrate Diets Containing Soybean Meal or Urea, Journal Anim. Sci. 1997, pp. 75:2571-2579. | TER 1800/ | | |
| | | CHARLEY et al, Preserving Eggs by Freezing and Drying, Foods A Scientific Approach, 3rd Edition 1998. | 200 | | |
| V . | | GANSHEROFF et al, Escherichia coli 0157:H7 in beef cattle presented for slaughter in U.S., Proc. Natl. Acad. Sci., March 28, 2000, pp. 2959 | | | |

| | | | 2961. |
|-------------------------|-------|-----------------|--------|
| · Examiner Signature | M. W | Date Considered | 7/1/04 |
| | 1 1 8 | CONSIDERAL | |

*EXAMINER: Initial if reference considered, whather or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).
2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.